

Claims

1. A composition comprising at least one alcohol, at least one long-chain alkyl polyamine, and at least one halogen.
2. A composition for cleaning and disinfecting comprising at least one alcohol, at least one long-chain alkyl polyamine, and at least one halogen.
3. An aqueous surface cleaning and disinfecting composition comprising at least one alcohol, at least one long-chain alkyl polyamine, and at least one halogen.
4. An anti-bacterial composition comprising at least one alcohol, at least one long-chain alkyl polyamine, and at least one halogen.
5. An anti-viral composition comprising at least one alcohol, at least one long-chain alkyl polyamine, and at least one halogen.
6. An anti-fungal composition comprising at least one alcohol, at least one long-chain alkyl polyamine, and at least one halogen.
7. A composition according to any of the preceding claims, wherein the long-chain alkyl polyamine compound comprises a long-chain alkyl triamine compound and/or a long-chain alkyl tetramine compound.
8. A composition according to any of the preceding claims, wherein the composition comprises a mixture of long-chain alkyl polyamine compounds having a range of different alkyl chain lengths.
9. A composition according to any of the preceding claims, wherein the long-chain alkyl polyamine compound comprises a compound of the general formula $R-NH-(CH_2)_m-NH-(CH_2)_n-NH_2$, where R is a linear or branched alkyl chain comprising at least eight carbon atoms, and each of m and n equals either 2 or 3.
10. A composition according to claim 10, wherein R may be a linear or branched alkyl chain comprising between ten and fourteen carbon atoms.

11. A composition according to any of claims 10-11, wherein R is a linear alkyl chain
12. A composition according to any of claims 10-12, wherein, and each of m and n equals 3.
13. A composition according to any of the preceding claims, wherein the composition comprises between 10% and 30% by volume of the long-chain alkyl polyamine compound or compounds.
14. A composition according to any of claims 1-13, wherein the composition comprises between 15% and 25% of the long-chain alkyl polyamine compound or compounds.
15. A composition according to any of the preceding claims, wherein the at least one aliphatic alcohol comprises between one and four carbon atoms.
16. A composition according to any of the preceding claims, wherein the composition comprises two aliphatic alcohols.
17. A composition according to any of the preceding claims, wherein the composition comprises between 10% and 30% by volume aliphatic alcohols.
18. A composition according to any of claims 1-17, wherein the composition comprises between 15% and 25% by volume aliphatic alcohols.
19. A composition according to any of the preceding claims, wherein the composition comprises between 14% and 16% by volume ethanol and between 5% and 7% by volume *n*-propanol.
20. A composition according to any of the preceding claims, wherein the composition comprises a mixture of halogens and/or halogen source(s).
21. A composition according to any of claims 1-20, wherein the composition comprises only a single halogen and/or single halogen source.
22. A composition according to any of the preceding claims, wherein the halogen is iodine.
23. A composition according to any of the preceding claims, wherein the composition comprises up to 0.5% by weight iodine.

24. A composition according to any of claims 1-23, wherein the composition comprises 0.33% \pm 0.05% by weight iodine.
25. A composition according to any of the preceding claims, wherein the composition comprises a complexing agent adapted to form a complex with the halogen.
26. A composition according to any of the preceding claims, wherein the composition comprises at least one buffering agent.
27. A composition according to any of the preceding claims, wherein the composition comprises at least one surfactant.
28. A composition according to claim 28, wherein the at least one surfactant is amphoteric.
29. A composition according to any of the preceding claims, wherein the composition comprises at least one wetting agent.
30. A means of destroying bacteria and/or inhibiting the ability of bacteria and/or viruses to replicate when said bacteria and/or viruses are present on a surface, the means comprising the application of a composition to said surface wherein the composition is configured to rupture the phospholipid membrane of the bacteria or virus, the composition being further configured to cleave bacterial DNA and/or substantially permanently bind to bacterial DNA and viral DNA or RNA.
31. A means according to claim 31, wherein the composition of any of claims 1-30 is provided.
32. A means of inhibiting the ability of bacteria and/or viruses to replicate when said bacteria and/or viruses are present on a surface, the means comprising the application of a composition to said surface wherein the composition is configured to substantially permanently encapsulate the bacteria or virus and prevent the replication of their genetic material.
33. A means according to claim 33, wherein the composition of any of claims 1-30 is provided.

34. A method for manufacturing a composition for cleaning and disinfecting wherein the method comprises:
- the addition to a pH buffered solution of at least one long-chain alkyl polyamine, to which is added at least one surfactant to make an interim solution;
 - separate to said interim solution a premix solution containing at least one alcohol and at least one halogen is made; and
 - the interim solution and the premix solution are then combined.